

Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Transcontinental Gas Pipe Line Corporation
Facility Name:	Compressor Station No. 165
Facility Location:	945 Transco Road, Chatham, Virginia in Pittsylvania County
Registration Number:	30864
Permit Number:	SCRO30864

November 26, 2003
Effective Date

November 27, 2008
Expiration Date

Director, Department of Environmental Quality

November 26, 2003
Signature Date

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I. Facility Information

Permittee

Transcontinental Gas Pipe Line Corporation
P. O. Box 1396
Houston, TX 77251-1396

Responsible Official

Daniel L. Merz
Manager - Environmental

Facility

Transcontinental Gas Pipe Line Corporation - Compressor Station No. 165
945 Transco Road
Chatham, Virginia
Pittsylvania County

Contact Person

Michael C. Callegari
Environmental Specialist
(713) 215-4584

AIRS Identification Number: 51-143-0120

Facility Description: SIC Code 4922 – Transco is an interstate natural gas transmission company. Transco's 1,900-mile pipeline system transports natural gas from production areas in the Gulf Coast region to customers along the eastern seaboard. Transco's compressor stations are used to compress and move the gas along the system. Transco's Compressor Station No. 165 is one of twelve facilities which is part of the Charlottesville Division. Operations at Station No. 165 began in approximately 1960. This facility does not produce any other goods or services beyond natural gas compression, and does not include glycol dehydration or natural gas storage. The process consists of natural gas entering the facility at a pressure in the range of 500 to 650 pounds per square inch (psi). Onsite compressors then boost the pressure of the gas to approximately 800 psi for transmission along the pipeline downstream of the facility. Each gas compressor is driven by a natural gas-fired spark ignited, internal combustion reciprocating engine (SRICE). The upstream piping located on site includes pig receivers and gas filters. The on-site downstream piping includes pig launchers. All yard piping, including the pigging and filtering equipment, and most of the other equipment in natural gas service (e.g., compressors, engine fuel gas systems, gas meters) must be depressurized during maintenance. The natural gas lines are depressurized through a silencer. Venting activities are intermittent and are only performed during scheduled maintenance-related activities and upset/emergency situations.

II. Emission Units

Equipment to be operated consists of:

A. Significant Emission Units

Emission Unit ID	Stack ID	Emission Unit Description	Maximum Rated Capacity*
M/L 1	01	2-cycle, spark-ignited, lean burn, (2SLB) IC reciprocating engine Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 2	02	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 3	03	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 4	04	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 5	05	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 6	06	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 7	07	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 8	08	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 9	09	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 10	10	2SLB IC reciprocating engine, Clark TLA-6, mainline natural gas compressor, (before 1972)	2,100 HP (17.2 MM Btu/hr)
M/L 11	11	2SLB IC reciprocating engine, Clark TCVC-10, mainline natural gas compressor, (before 1972)	3,400 HP (27.8 MM Btu/hr)
AUX 1	12	4 cycle, spark ignited, rich burn (4SRB) IC reciprocating engine, Ingersoll Rand PSVG-6, auxiliary electric power generator (before 1972)	408 HP (5.5 MM Btu/hr)
AUX 2	13	4SRB IC reciprocating engine, Ingersoll Rand PSVG-6, auxiliary electric power generator (before 1972)	408 HP (5.5 MM Btu/hr)
A/C 1	14	2SLB IC reciprocating engine, Waukesha F-817G, air compressor, (before 1972)	105 HP (1.0 MM Btu/hr)

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

B. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
IA1	Powermaster 3G natural gas-fired space heat boiler	5-80-720 C	N/A	5.4 MM Btu/hr (heat input)
IA2	Kewanee natural gas-fired space heat boiler	5-80-720 C	N/A	5.0 MM Btu/hr (heat input)
IA3	11,600-gallon lube oil storage tank (before 1970)	5-80-720 B	VOC < 5 tons/yr	NA
IA4	1,400-gallon lube oil storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA5	2,000-gallon used oil storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA6	2,000-gallon condensate storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA7	800-gallon portable condensate storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA8	80-gallon hydraulic oil expansion tank	5-80-720 C	NA	< 1000-gallons
IA9	458-gallon lube oil transfer tank	5-80-720 C	NA	< 1000-gallons
IA10	242-gallon lube oil storage tank	5-80-720 C	NA	< 1000-gallons
IA11	564-gallon portable diesel storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA12	8,820-gallon waste water storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA13	9,000-gallon ethylene glycol/water surge vessel	5-80-720 B	VOC < 5 tons/yr	NA
IA14	2,000-gallon ethylene glycol/water surge vessel	5-80-720 B	VOC < 5 tons/yr	NA
IA15	4,297-gallon ethylene glycol/water transfer tank	5-80-720 B	VOC < 5 tons/yr	NA
IA16	2,750-gallon ethylene glycol/water storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA17	48-gallon boiler condensate water storage tank	5-80-720 B	VOC < 5 tons/yr	NA
IA18	Parts washer	5-80-720 B	VOC < 5 tons/yr	NA
IA19	159-gallon ethylene glycol/water sump	5-80-720 B	VOC < 5 tons/yr	NA
IA20	2,000-gallon ethylene glycol/water transfer tank	5-80-720 B	VOC < 5 tons/yr	NA
IA21	661-gallon methonal storage tank	5-80-720 B	VOC < 5 tons/yr	NA

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

III. Fuel Burning Equipment Requirements – (Ref. M/L1-M/L11, AUX 1-2, A/C 1)

A. Limitations

Table III.A.1

Emission Unit ID	Max. Heat Input (Btu/hr)	SO ₂ ^{note 1}		
		lb/10 ⁶ Btu	lb/hr	ton/yr
M/L 1	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 2	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 3	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 4	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 5	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 6	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 7	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 8	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 9	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 10	17.2 x 10 ⁶	2.64	45.408	N/A
M/L 11	27.8 x 10 ⁶	2.64	73.39	N/A
AUX 1	5.5 x 10 ⁶	2.64	14.52	N/A
AUX 2	5.5 x 10 ⁶	2.64	14.52	N/A
A/C 1	1.0 x 10 ⁶	2.64	2.64	N/A

Note 1 Article 4, 9 VAC 5-40-280

1. The approved fuel for the spark ignited reciprocating internal combustion engines (SRICE) (Ref. M/L1-M/L11, AUX 1-2, A/C 1) is pipeline quality natural gas. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110)
2. The hydrogen sulfide (H₂S) emissions into the atmosphere from the SRICEs (Ref. M/L1-M/L11, AUX 1-2, A/C 1) shall not exceed a concentration greater than 15 grains per 100 cubic feet of exhaust gas without burning or removing H₂S in excess of this concentration, provided that SO₂ emissions in the burning operation meet the requirements of 9 VAC 5-40-280 A.
(9 VAC 5-80-110 and 9 VAC 5-40-290)
3. Visible Emissions from each of the SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and 9 VAC 5-40-80)
4. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to each SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for the SRICEs (Ref. M/L1-M/L11, AUX 1-2, A/C 1).
- b. Have available written operating procedures for the SRICEs (Ref. M/L1-M/L11, AUX 1-2, A/C 1). These procedures shall be based on the manufacturer's recommendations, at minimum, if such recommendations exist.
- c. SRICE-powered engine operators shall be trained in the proper operation of all equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.

(9 VAC 5-80-110 E and 9 VAC 5-40-20 E)

B. Periodic Monitoring

1. At least one time per calendar week an observation of the presence of visible emissions from each SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) exhaust stack (Ref. Nos. 01-14) shall be made. The presence of visible emissions shall require the permittee to:
 - a. take timely corrective action such that the SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) exhaust stack (Ref. Nos. 01-14) with visible emissions, resumes operation with no visible emissions, or,
 - b. conduct a visible emission evaluation (VEE) on the SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) exhaust stack (Ref. Nos. 01-14) with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) exhaust stack (Ref. Nos. 01-14) are 20 percent opacity or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) resumes operation within the 20 percent opacity limit.
 - c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.
 - d. The permittee shall maintain a written stack observation log for each SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the full name of the observer. If an SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) has not been operated for any period during the week it shall be noted in the log book.

(9 VAC 5-80-110 E and 9 VAC 5-80-110 K)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:
 - a. The annual throughput of natural gas (in million cubic feet) for each SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.
 - b. The equations, emission factors, origin of emission factors, and all supporting documentation for criteria pollutant emissions.
 - c. Scheduled and unscheduled maintenance to each SRICE (Ref. M/L1-M/L11, AUX 1-2, A/C 1) and operator training.
 - d. Results of all visual emissions examinations (VEE), periodic monitoring, and performance evaluations.
 - e. Copies of all notifications required by Condition V.C below.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

IV. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	Compressor Station No. 165
40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities	Compressor Station No. 165

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the (i) administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

V. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

- a. The date, place as defined in the permit, and time of sampling or measurements.
- b. The date(s) analyses were performed.
- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses.
- f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
- b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, South Central Regional Office within four daytime business hours, after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition C above of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, South Central Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, South Central Regional Office.

(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)
2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-40-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)
2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)
3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

1. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
 - a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
 - b. The permitted facility was at the time being properly operated.
 - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
 - d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.
2. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.
3. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any of the grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Statements for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

